

**DUTY STATEMENT**

CEC-004 (Revised 04/16)

CALIFORNIA ENERGY COMMISSION

<b>Classification:</b> Electric Generation System Program Specialist I	<b>Position No.</b> 770-4847-002
<b>CBID:</b> R09	<b>Office:</b> Strategic Transmission Planning Office
<b>Date Prepared:</b> October 22, 2018	<b>Division:</b> Siting, Transmission and Environmental Protection
<b>KEY: (E) IS ESSENTIAL, (M) IS MARGINAL</b>	

Under the general direction of the Electric Transmission System Program Specialist III in the Energy Siting, Transmission and Environmental Protection Division, the Electric Generation System Program Specialist I (EGSPS I) is required to have a high degree of skill to be able to lead and be responsible for varied, difficult, and complex technical analyses. As a subject-matter expert, the incumbent will perform complicated analytical studies and consultative assignments in the field of electric generation and transmission system planning program areas including, renewable energy integration and reliability, and supporting infrastructure requirements, particularly transmission and distribution system needs. The incumbent will also evaluate landscape level energy, environmental, and land use data to support the siting and development of energy infrastructure in an environmentally responsible manner. The EGSPS I will work cooperatively with the different Energy Commission program staff involved in electric system infrastructure planning and development activities to improve the deployment of new electric generation and transmission opportunities within the western electricity system and its regulatory structure. This includes the ability to evaluate new and emerging generation and distribution system strategies and the needed transmission and distribution lines to help meet the Renewable Portfolio Standard targets and greenhouse gas emission targets and goals, while maintaining a reliable and cost-efficient generation system. The candidate must work well with people inside and outside the Energy Commission, including members of the general public; perform well under the pressure of deadlines; exercise good listening and communication skills, and prepare quality reports for expert and lay person readers. The candidate will be required to provide oral and written presentations. The candidate must be able to evaluate and prioritize daily workload.

**WORKING CONDITIONS.** Work is performed indoors in an office setting and meeting room setting involving sitting, standing, and walking. Travel is required to attend workshops, hearings and meetings. Additional hours beyond an eight-hour workday or forty-hour workweek may be required.

**DUTIES AND RESPONSIBILITIES:** While performing the duties described below, the incumbent will be required to work alone and/or in a team environment, using a personal computer and appropriate Energy Commission software such as word processing, electronic mail and Internet; participate in and lead meetings with other staff and with other agencies.

55% As a subject-matter expert, independently plan, organize, lead and conduct complicated studies and analyses of electricity generation and storage technologies, fuel and infrastructure implications, electric system reliability requirements over forecast planning periods, and evaluations of transmission and distribution system development opportunities; evaluate new electric generation, storage and transmission technologies, especially those new and emerging technologies associated with integrating advanced renewable resources and may

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serve as alternatives to transmission or fuel delivery requirements; evaluate difficult engineering, economics and cost-benefit studies, system cost effectiveness assessments, environmental implications for permit requirements and risks for regulatory approvals, and societal benefit assessments of electric resource, fuel needs and transmission development options; advise Commissioners, management, staff, legislative bodies, and others on the results of completed engineering economics and cost-benefit studies, performance and cost effectiveness analyses of electricity systems showing the impact of integrating new and emerging alternative electric generation, storage and transmission technologies; address new methods to integrate new and emerging technologies into the existing electricity system. Results of analyses will be inputs for the Energy Commission's transmission and distribution system need studies and regulatory reports. (E)

- 30% Evaluate opportunities for generation, storage, fuel, distribution and transmission infrastructure development throughout broad geographic areas; identify land use issues and environmental implications for energy infrastructure development throughout California and the West; monitor energy project proposals and feasibility for development; and establish working relationships with local, state, federal government jurisdictions to coordinate generation, storage, distribution and transmission planning activities. The incumbent will ensure that information, analyses and policy concerns are integrated with the Energy Commission's policies and priorities. (E)
- 10% Provide input to the Integrated Energy Policy Report (IEPR), other Energy Commission reports, and collaborative inter-agency reports as necessary; participate in regional electric generation, storage, fuel and transmission study working groups; provide information of energy infrastructure development and planning studies; participate in briefings, meetings, workshops, hearings, technical conferences, and other public forums. Assist in planning, organizing, and conducting public events to share information with electricity market participants, representatives of other government agencies, and the general public. (E)
- 5% Perform other duties as required consistent with the specifications of this classification. (M)

SIGNATURES			
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position			
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Employee	Date	Al Alvarado	Date
Electric Generation System Program		Supervisor	
Specialist I			